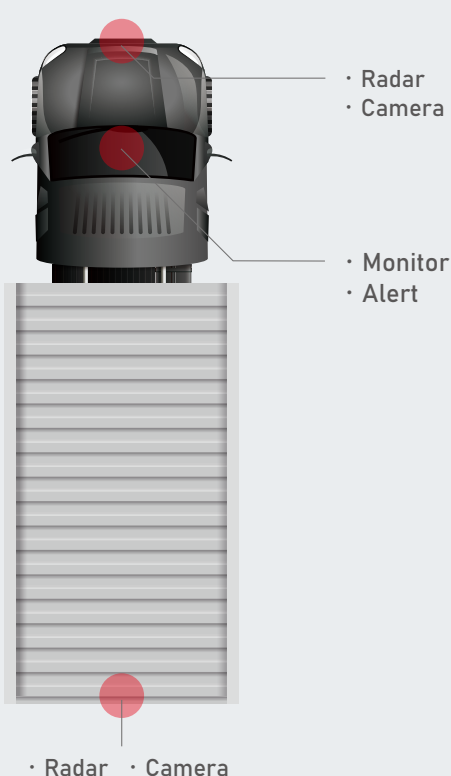




# R102

Millimeter wave technology

## Obstacle Detection Radar



**Radar & Alert**



**Camera**



**Monitor**

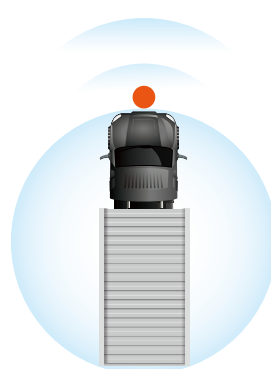
### ◆ Feature

Heavy-duty radar sensor systems :

- Front collision Warning & Rear collision warning for people and objects, accidents reduced significantly.
- Excellent user interface: Visual and audible warnings – alerting the operator whose attention cannot reach all danger areas.
- Alarm region can be programmed based on specific application requirements.
- Working effectively in harsh environments and in poor visibility such as darkness, smoke and fog.

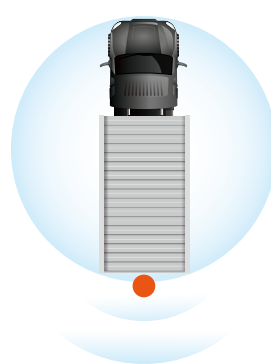
### ◆ Front collision Warning

Multimode to enhance the object detection & minimise false alarm. 3 stage audible and 5 stages easy-to-read visual display.



### ◆ Rear collision warning

Multimode to enhance the object detection & minimise false alarm. 3 stage audible and 5 stages easy-to-read visual display.



### Technical Specification

Functions	Radar for Front & Rear collision Warning Car / Motorcycles / Pedestrian are main concerned
Radar type	FMCW
Operational Frequency	77 / 79 (Dual Mode simultancously)
Equivalent isotropically radiated power	less than 30dbm
Beam width	horizontal: 120 degrees @-10dB Vertical: 40 degrees @ -10dB
Detection Range	80m
Range resolution	0.4m / 0.1m (dual Mode)
Range accuracy	0.1m
Velocity range:	100km/hr
Velocity resolution	0.25m/sec
Velocity accuracy	0.25m/sec
Angle Range:	120 degrees (<30m);30degrees (>30m)
Angle resolution	15 degrees
Angle accuracy;	1 degree
Track number:	30
Frame rate:	15Hz

